20. (Original) The channel search device according to claim 19,

wherein said timing reproducer reproduces and outputs the I-axis signal and the Q-axis signal while correcting the error of the symbol rate set value and outputs a displacement amount of the symbol rate, and

wherein said judging unit judges that a channel exists at the position of the symbol rate when the size of the dispersion becomes an extremal value and at the position of the symbol rate according to the displacement amount outputted by said timing reproducer.

21. (Currently Amended) The channel search device according to claim 1, wherein said judging unit varies a variation ~~for varying the~~ of the symbol rate set value according to the symbol rate set value.

22. (Original) The channel search device according to claim 1, wherein said judging unit varies a variation for varying the carrier frequency set value according to the symbol rate set value.

23. (Original) The channel search device according to claim 1, wherein said judging unit sets, according to the symbol rate set value, a period for monitoring a dispersion value detected by said dispersion detector while varying the carrier frequency set value and the symbol rate set value.

11/20/07 cancelled dlf

~~24.~~ (New) A method for shortening a time period for channel search, comprising:

monitoring dispersion while varying a carrier frequency set value and a symbol rate set value; and

judging that a channel exists at a position of a current symbol rate set value and a current carrier frequency set value when the size of the dispersion becomes an extremal value.